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REPLACEMENT SHEET  
Title: PURIFIED AND ISOLATED SERINE-  
THREONINE KINASE RECEPTOR  
ASSOCIATED PROTEIN AND USE ...  
Inventor: Data et al.  
Attorney Docket No. 1242/14 PCT/US

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# Smads in TGF- $\beta$ Signal Transduction

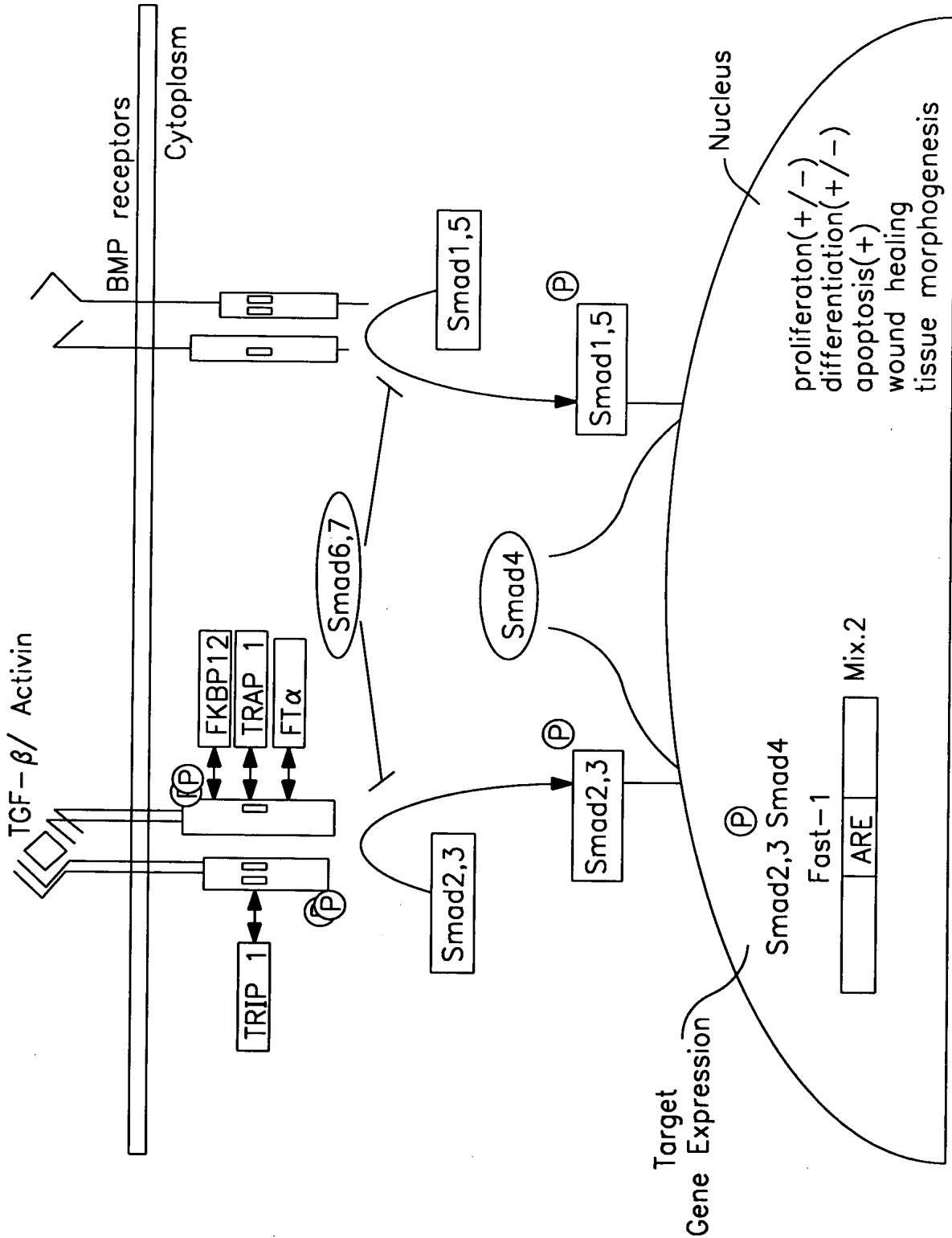


FIG. 1



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FIG. 2A

MAMRQTPLTCSGHTRPVVDLAFSGITPYGYFLISACKDGKPMRLROGDTGDWIGTFLGHKGAVWGATLNKDATKAA 75  
TAAADFTAKVWDAVSGDELMTLAHKHIVKTVDFOTDSNYLLTGGODKLLRLIYDLNKPAAEPKEISGHTSGIKKAL 150  
WCSDDKOILSADDKTIVRLWDHATMTVEVKSINFNMSVSSMEYIPEGEILVITYGRSIAFHSAVSLEPIKSFEPAPAT 225  
INSASLHPEKEFLVAGGEDFKLYKYDYNSSGEELESYKGFHGPVHCVRFPDGEYASGSEDGTLRLMQIVVGKTY 300  
GLWKCVLPEEDSGELAKPKIGFPETAEEELAEELASENSDSIYSSSTPEVKA 351

FIG. 2B

1 MAMRQTPLTCSGHTRPVVDLAFSGITPYGYFLISACKDGKPMRLROGDTGDWIGTFLGHKGAVWGATLNKDATKAA STRAP  
1 M-----KPILLQCHERSSTIQIKYN---REGDLIFIVAKDPVANNVWYSVNGERLCHYMCHICAVWCVDADMDTKHVL TRIP-1  
76 TAAADFTAKVWDAVSGDELMTLAHKHIVKTVDFOTDSNYLLTGGODKL-----LRIVDLNKP-----EAEF-KETIS STRAP  
69 FGSADNSCRIMDCETCKQALAKKUNSAVRICGEDFGGNIIMFSTDKQMGYQCFVSFFDIRDPSQIDNNEHYMKIP TRIP-1  
141 GHTISGKKALWCSDDKQILSADDKTVRLWDHATMT-----VKSLNFMNSVSSMEYIPEGEILVITYGRSIA-FHSA STRAP  
145 CNDSKILTSAVMGPLGECILTAGHE-SGELNQYSAKSGEVLVNVKHSRQINDIQLSRDMIMFVTASKDNIAKLFDSTRIP-1  
212 VSLTEPIKSFEPAPATINSASLHPEKEFLVAGGED-----FKLYKYDYNSSGEELESYKGFHGPVHCVR STRAP  
219 TILFHOKIHTERTRPVNSAALSPNVDHVMLCGGQEAAMDVITITSTRIGKEARFFHLAFEFEGFRVKGHEGPINSVA TRIP-1  
273 FSPDGEIVASGSEDGTLRLMQIVVGKTYGLWKCVLPEEDSGELAKPKIGFPETAEEELAEELASENSDSIYSSSTP STRAP  
293 FHPDGKSYSSGGEDGYVRI-----HY-----FDPQYFEF----- TRIP-1  
348 EVKA  
322 EFEA

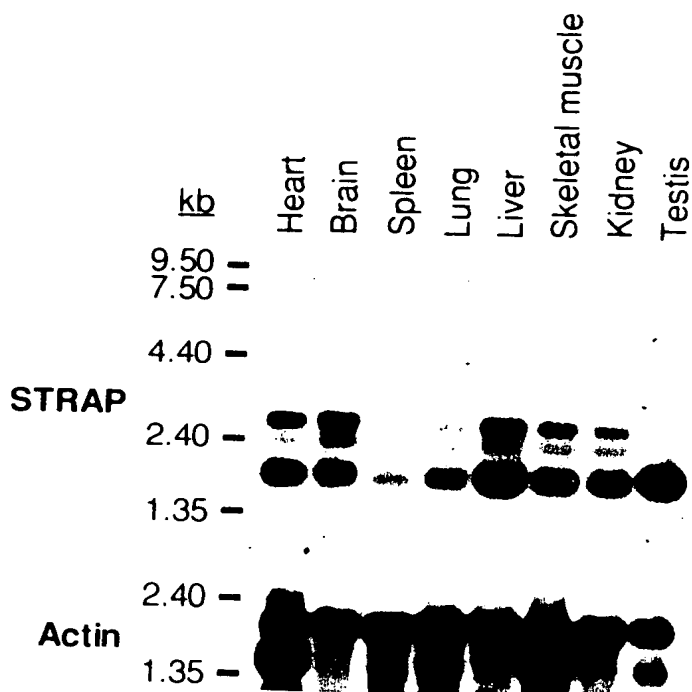


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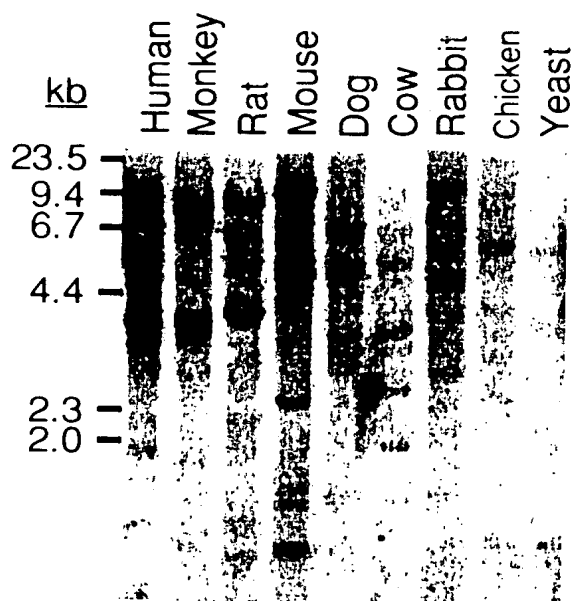
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**FIG. 2C**



**FIG. 2D**



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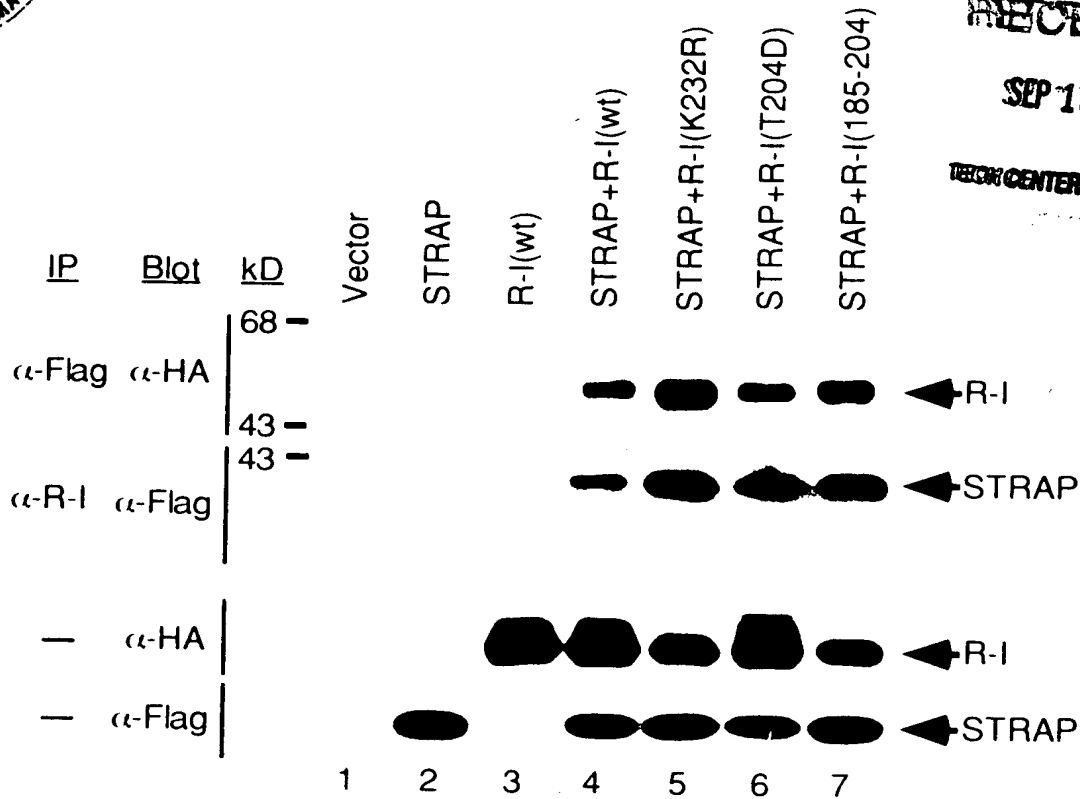


FIG. 3A

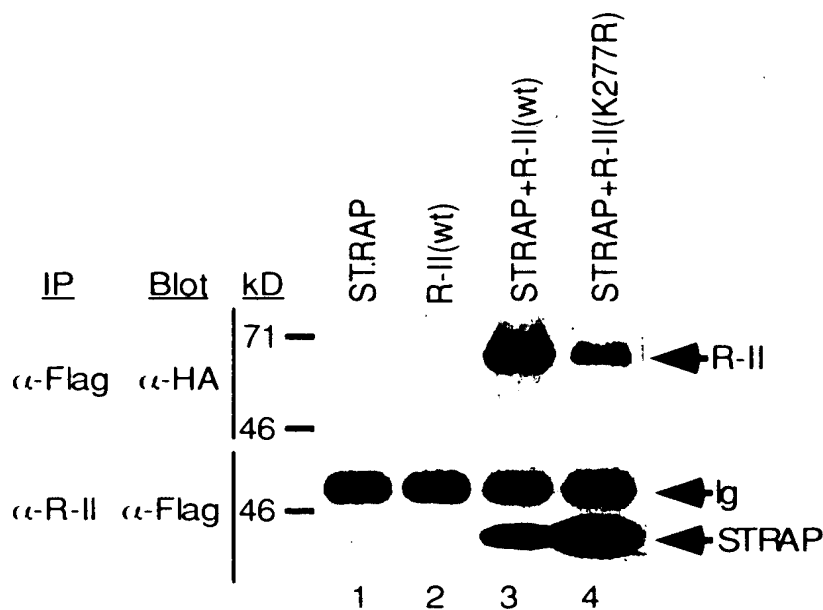


FIG. 3B



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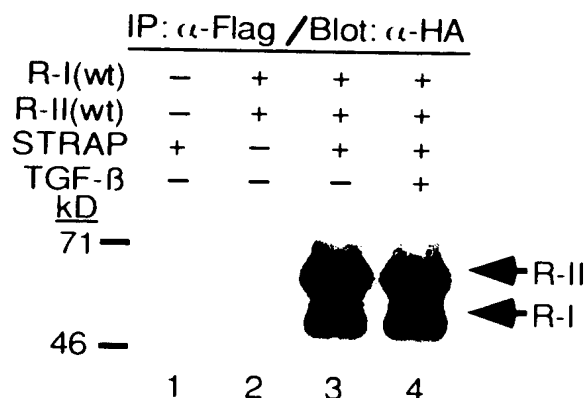


FIG. 3C

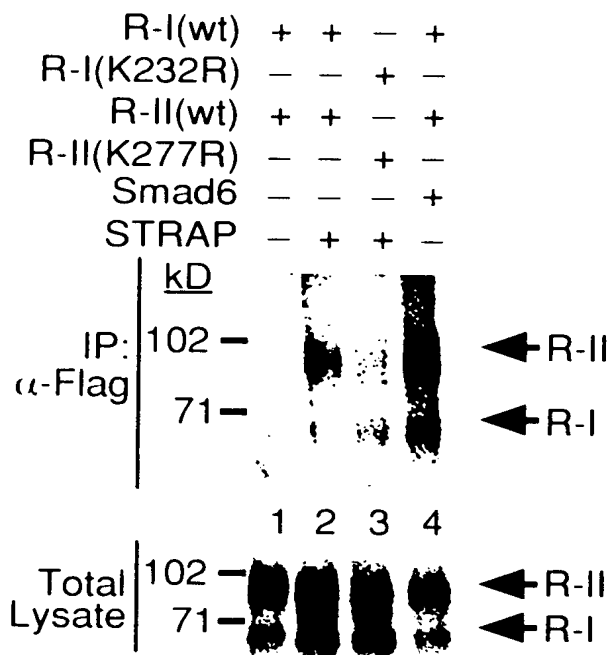


FIG. 3D

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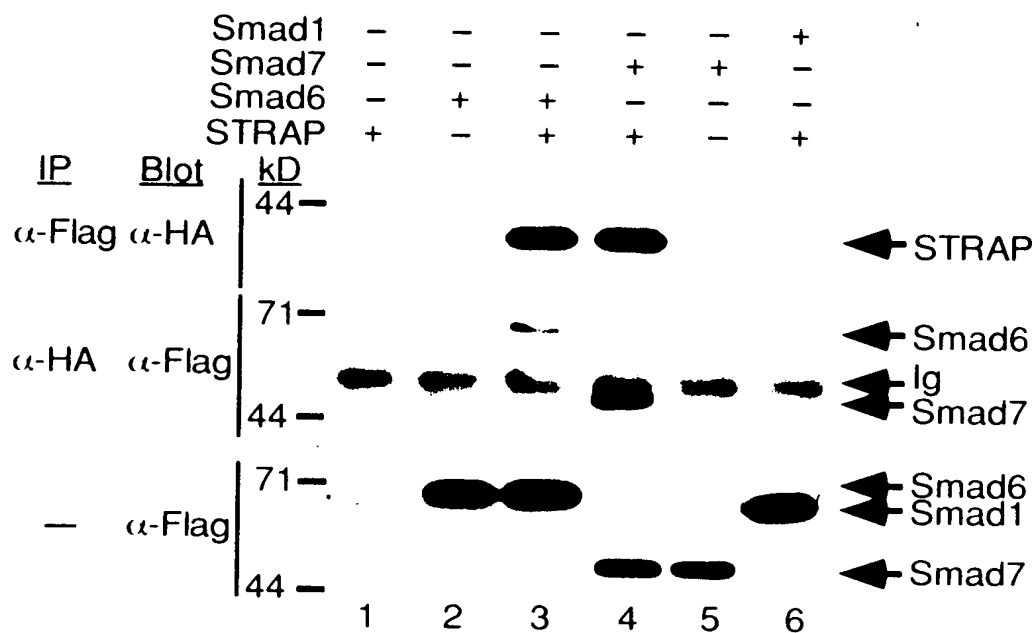


FIG. 3E

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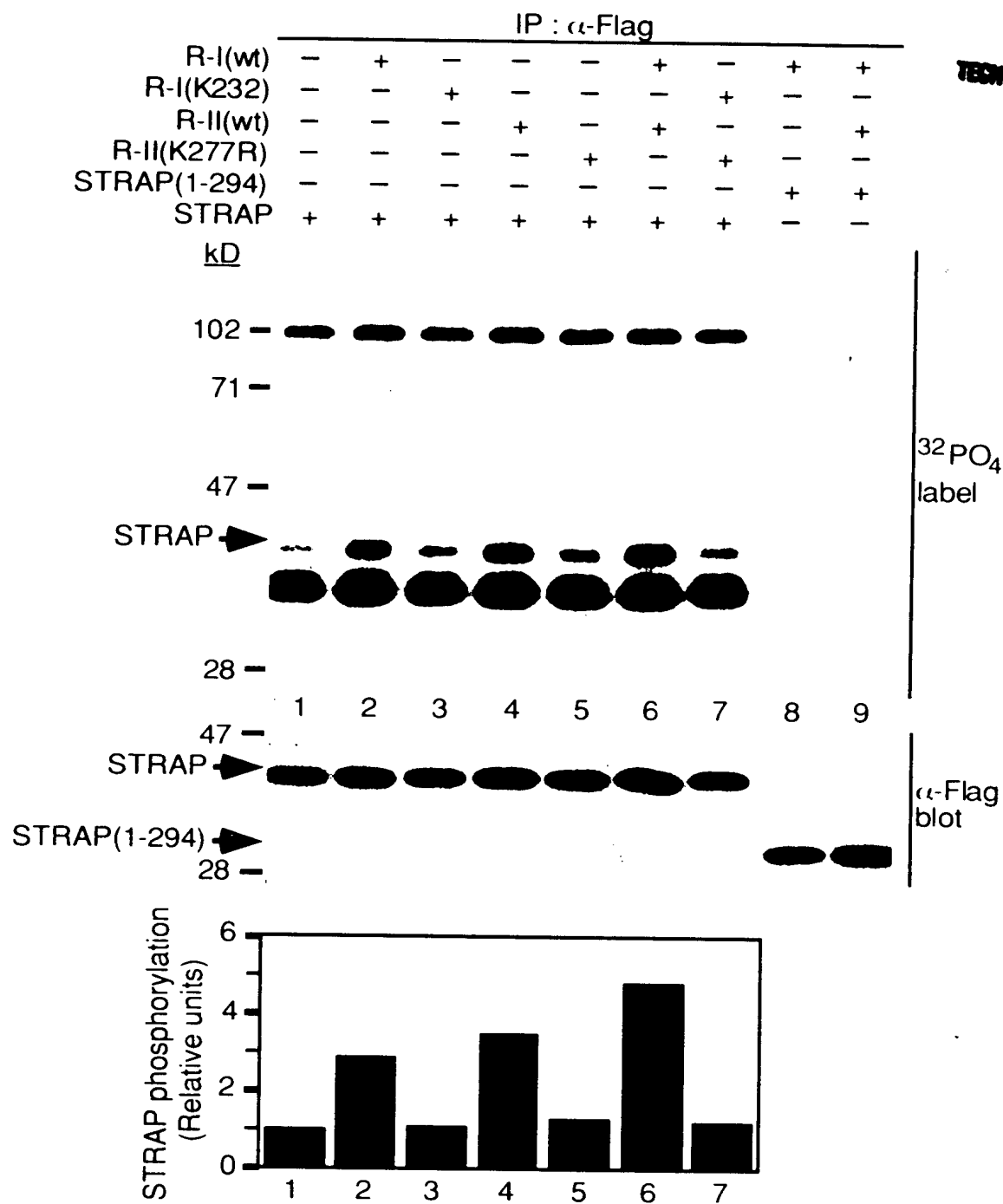


FIG. 4A

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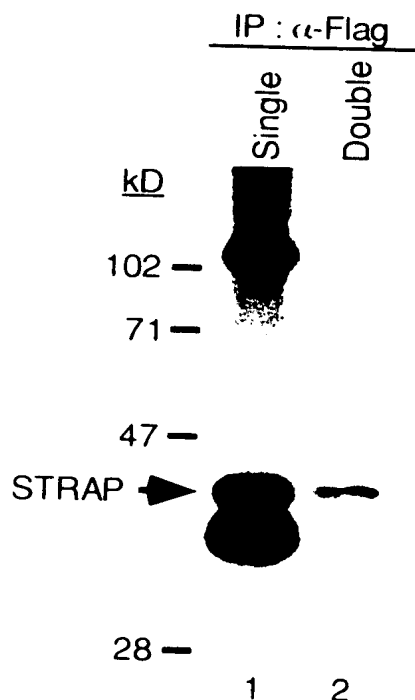


FIG. 4B

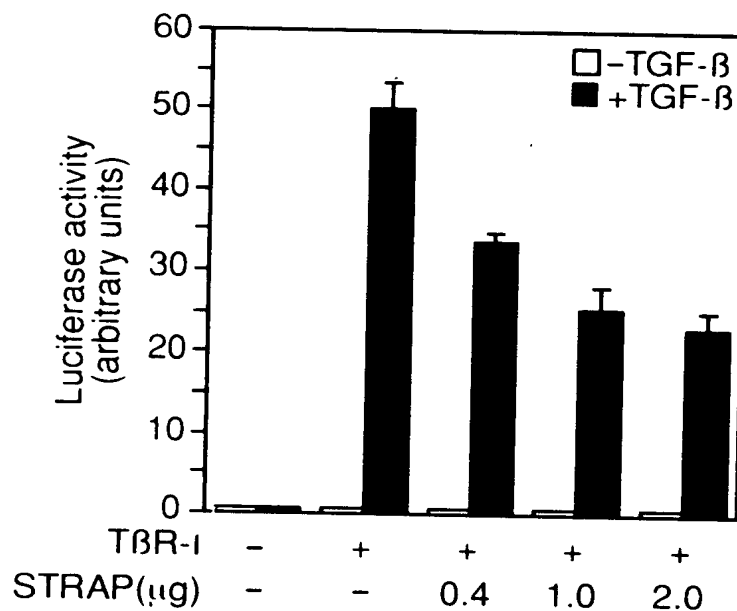


FIG. 4C



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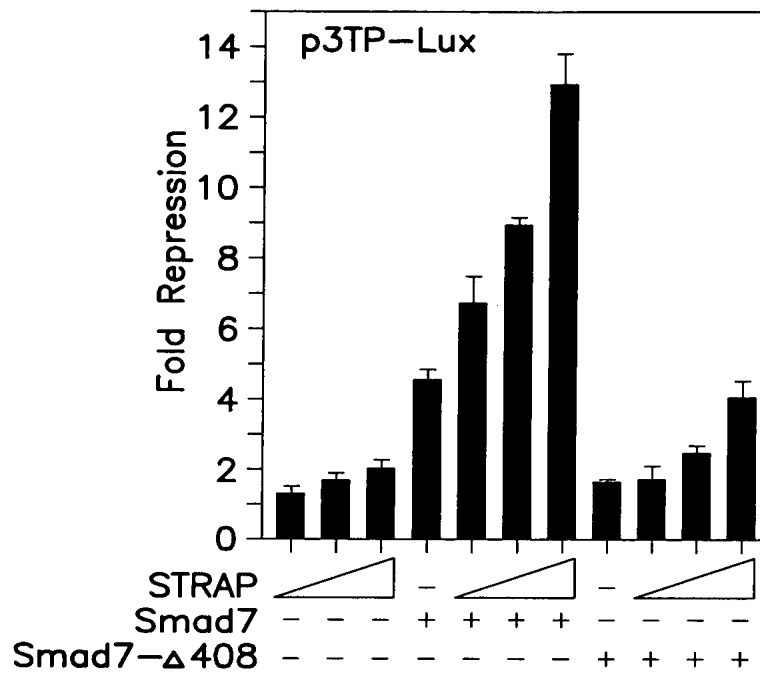


FIG. 5A

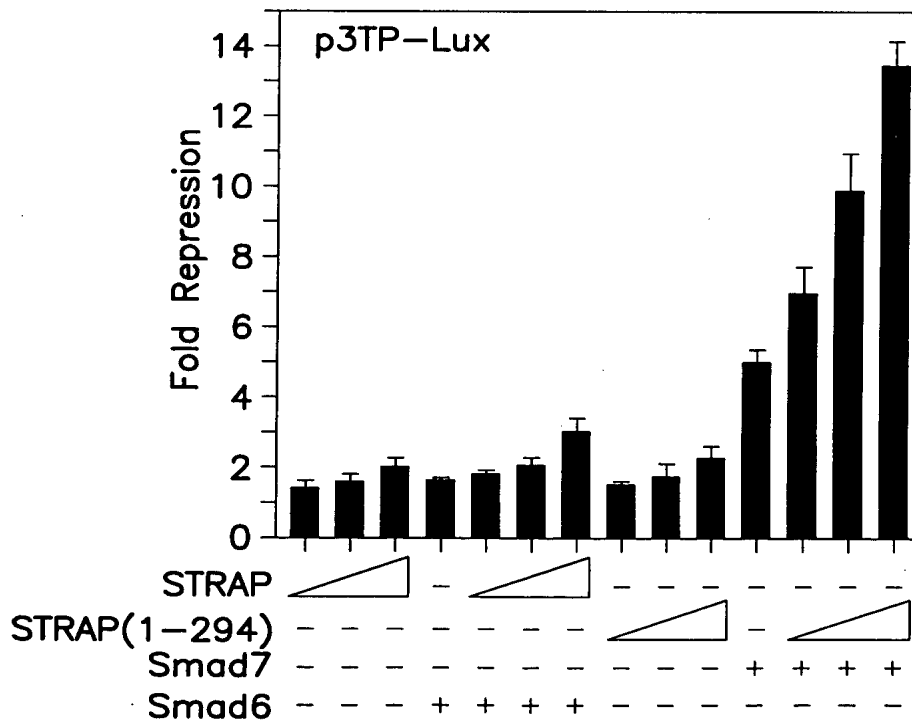


FIG. 5B



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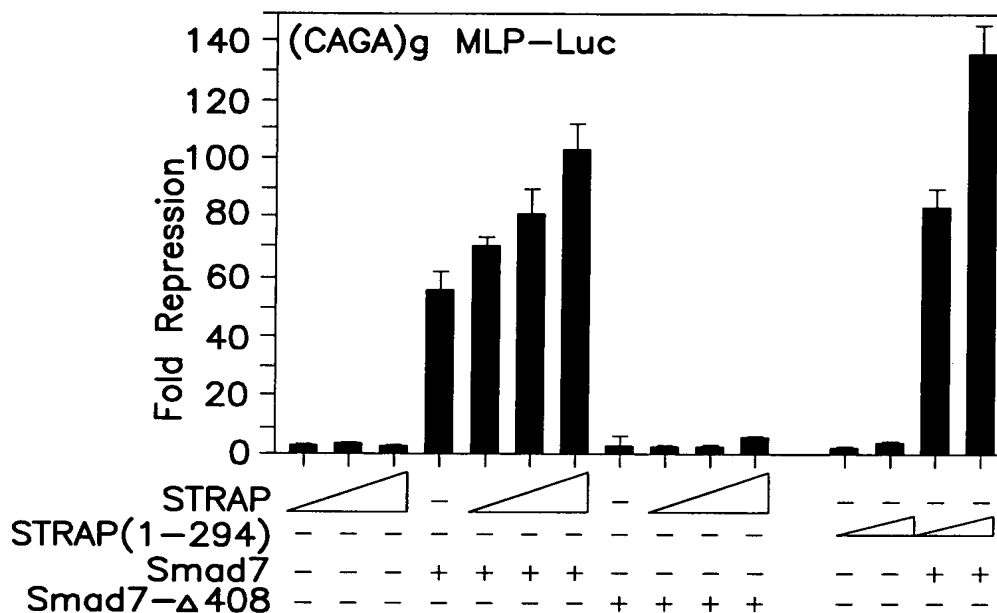


FIG. 6A

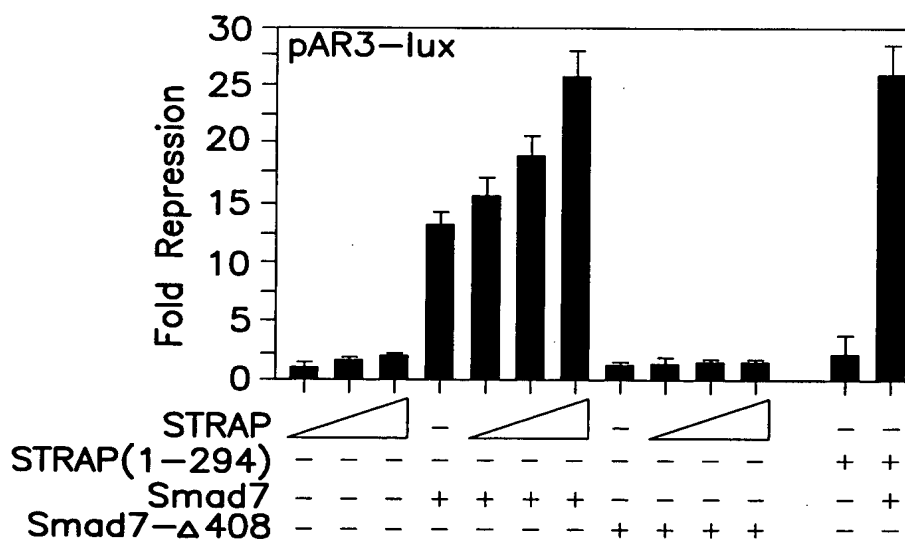


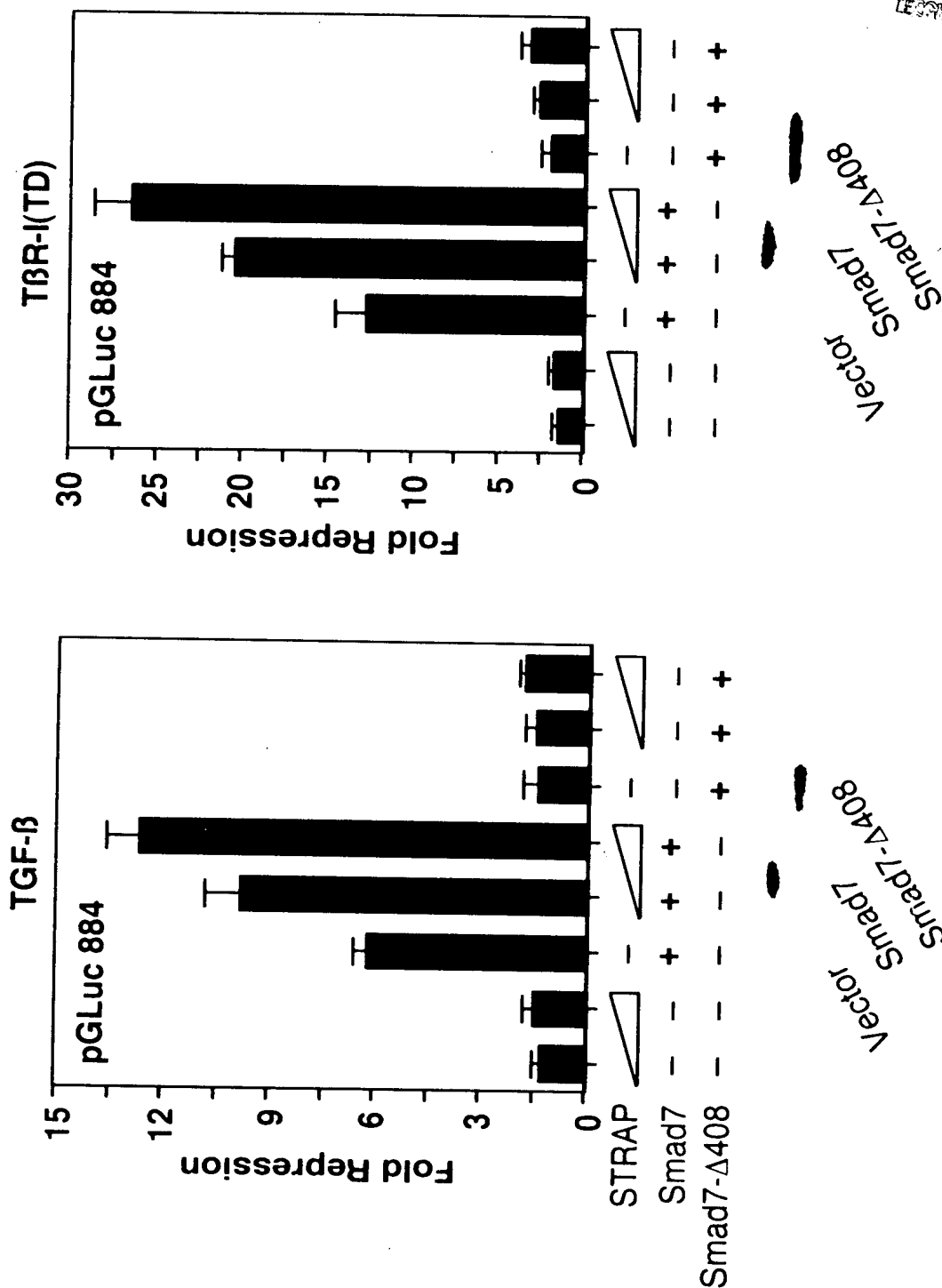
FIG. 6B



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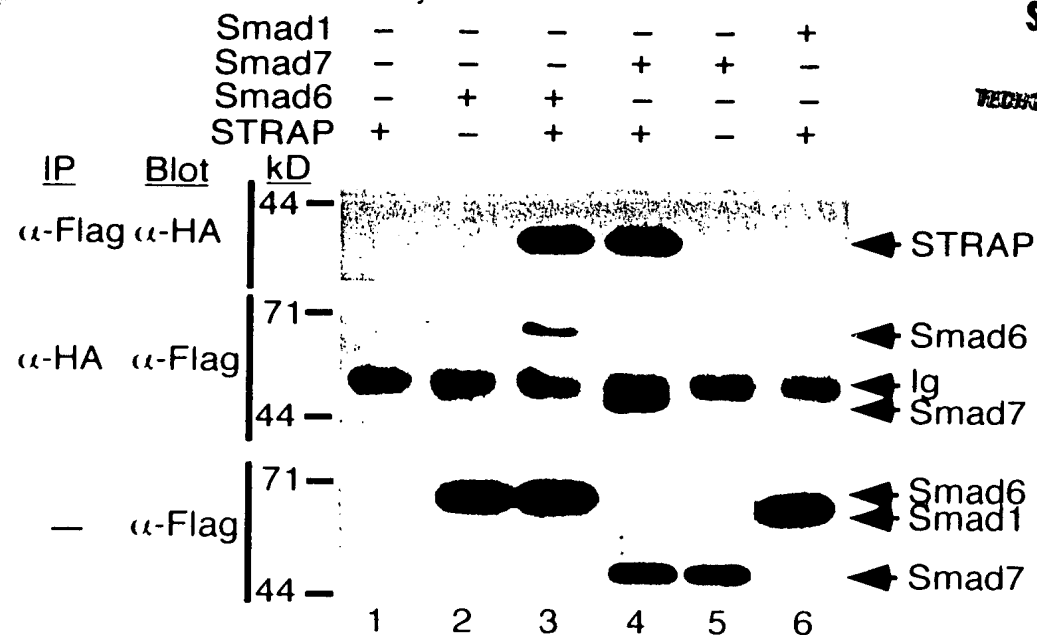


FIG. 7A

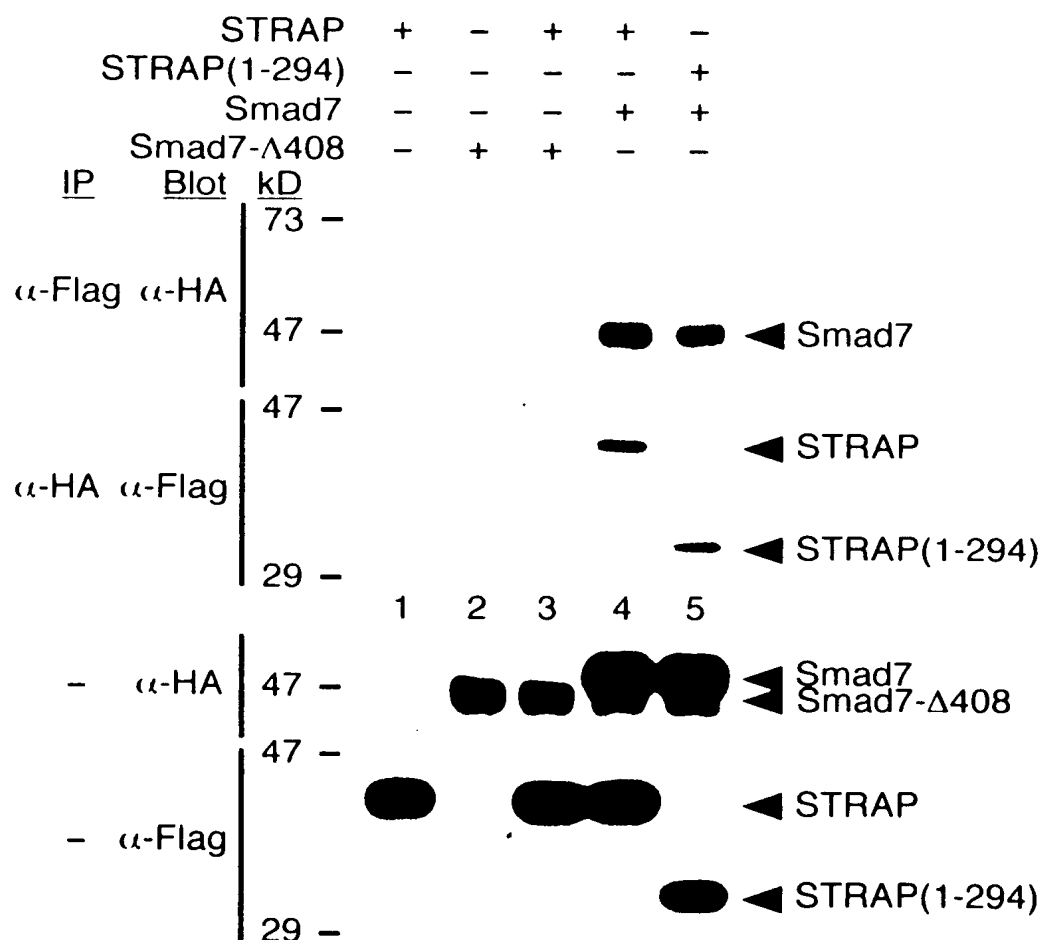


FIG. 7B

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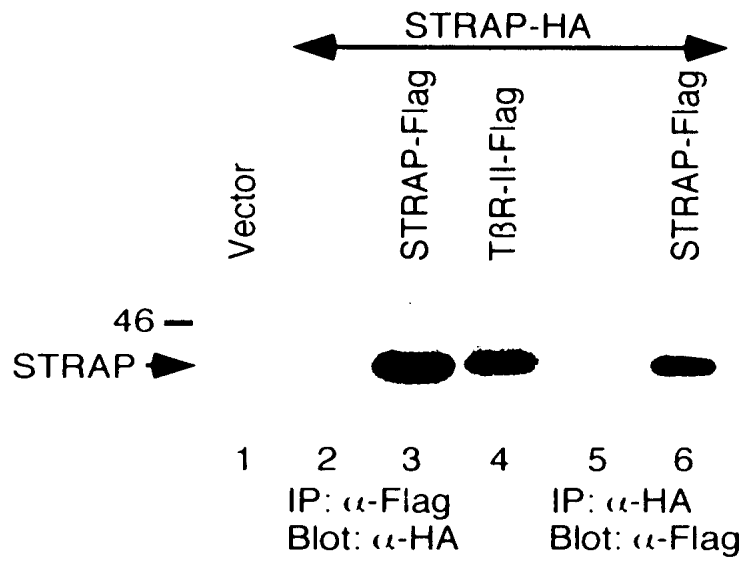


FIG. 7C



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TECH 1

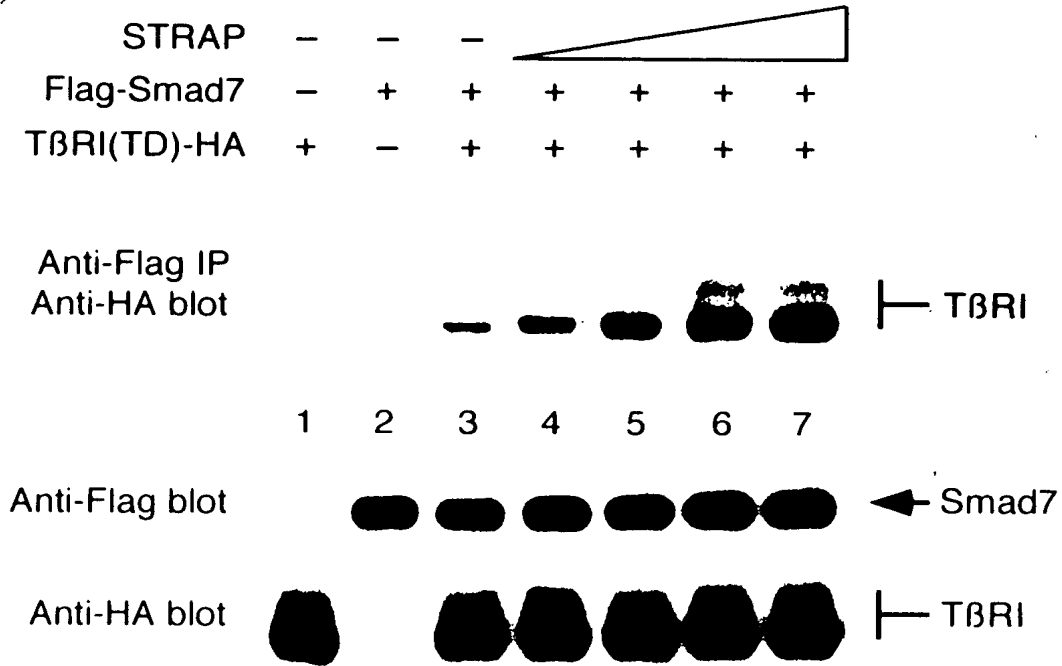
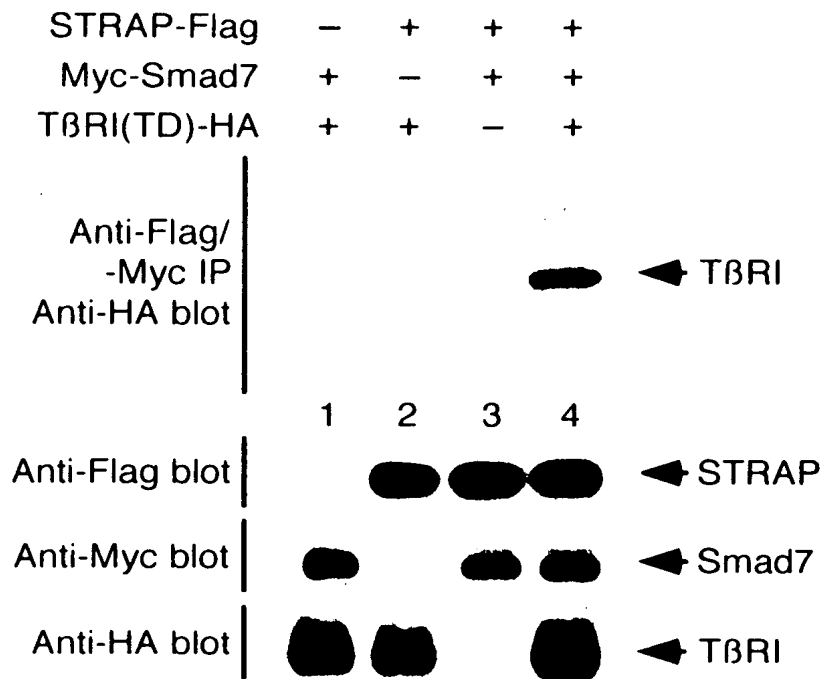


FIG. 8A



Steps: 1) Anti-Flag IP  
 2) Elute with Flag peptide  
 3) Anti-Myc IP  
 4) Anti-HA immunoblotting

FIG. 8B



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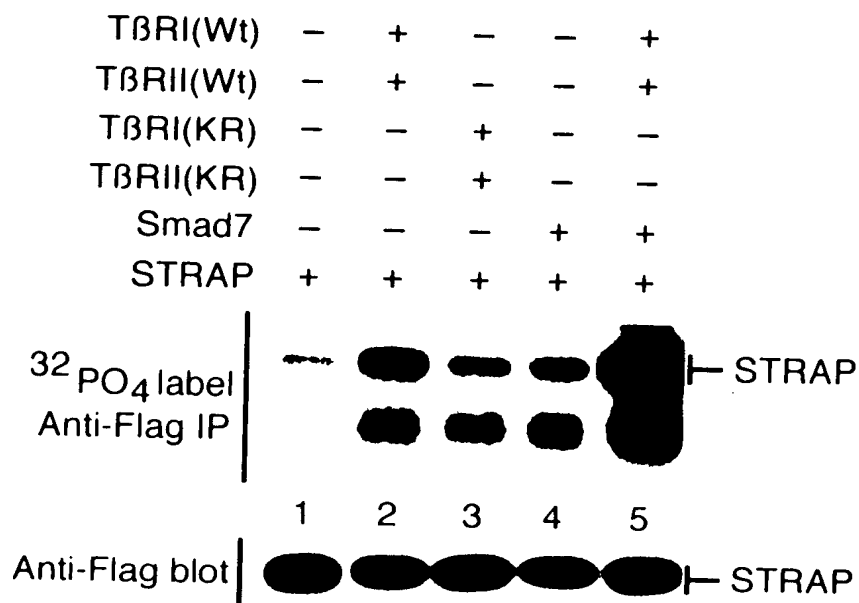


FIG. 9A

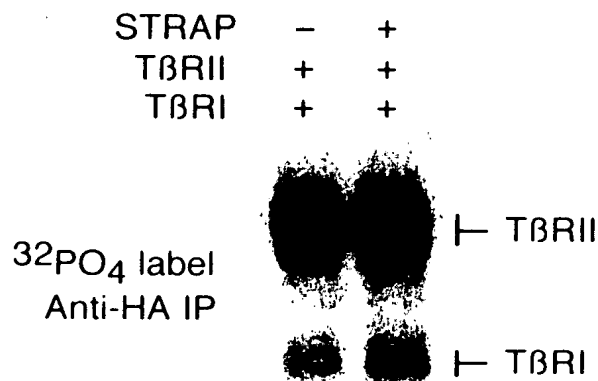


FIG. 9B

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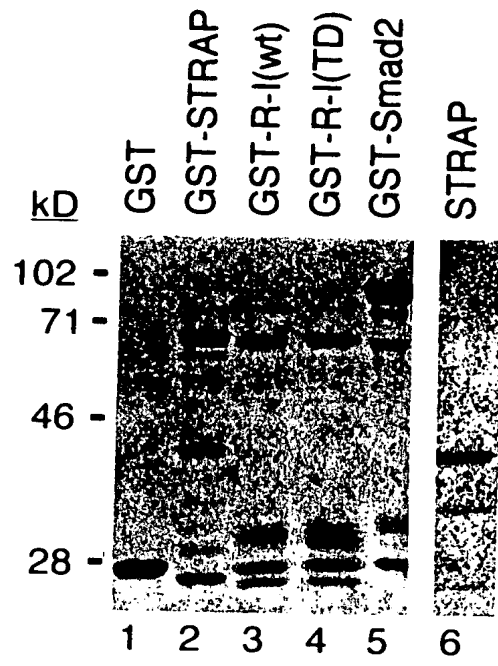


FIG. IOA

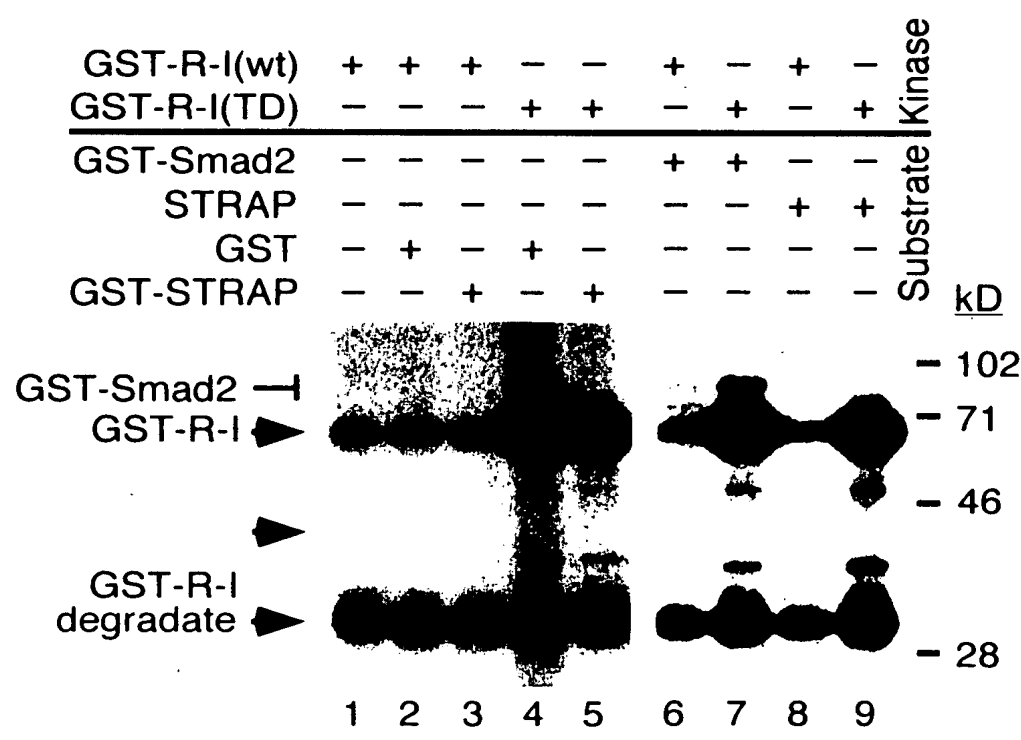


FIG. IOB



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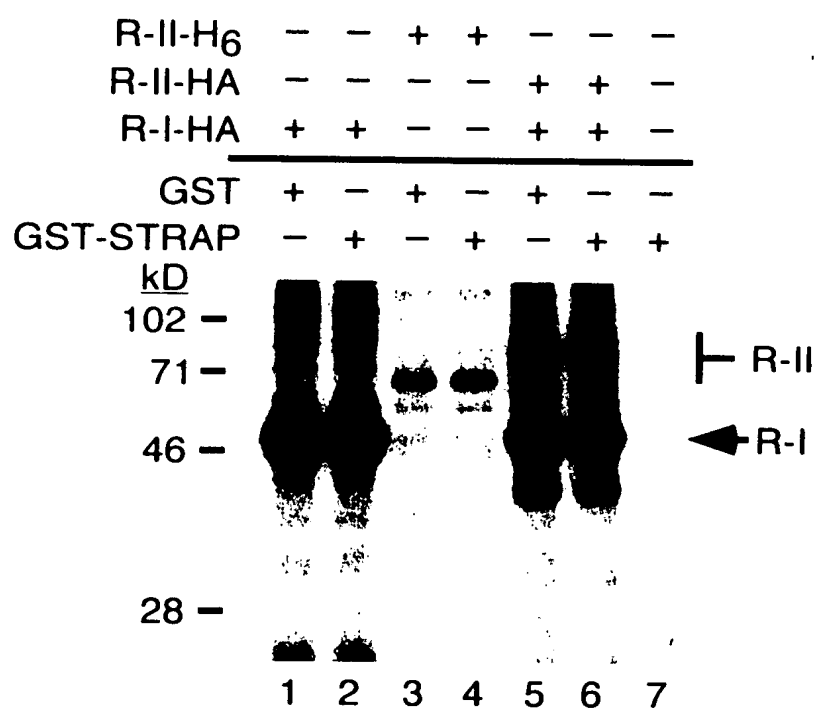


FIG. IOC



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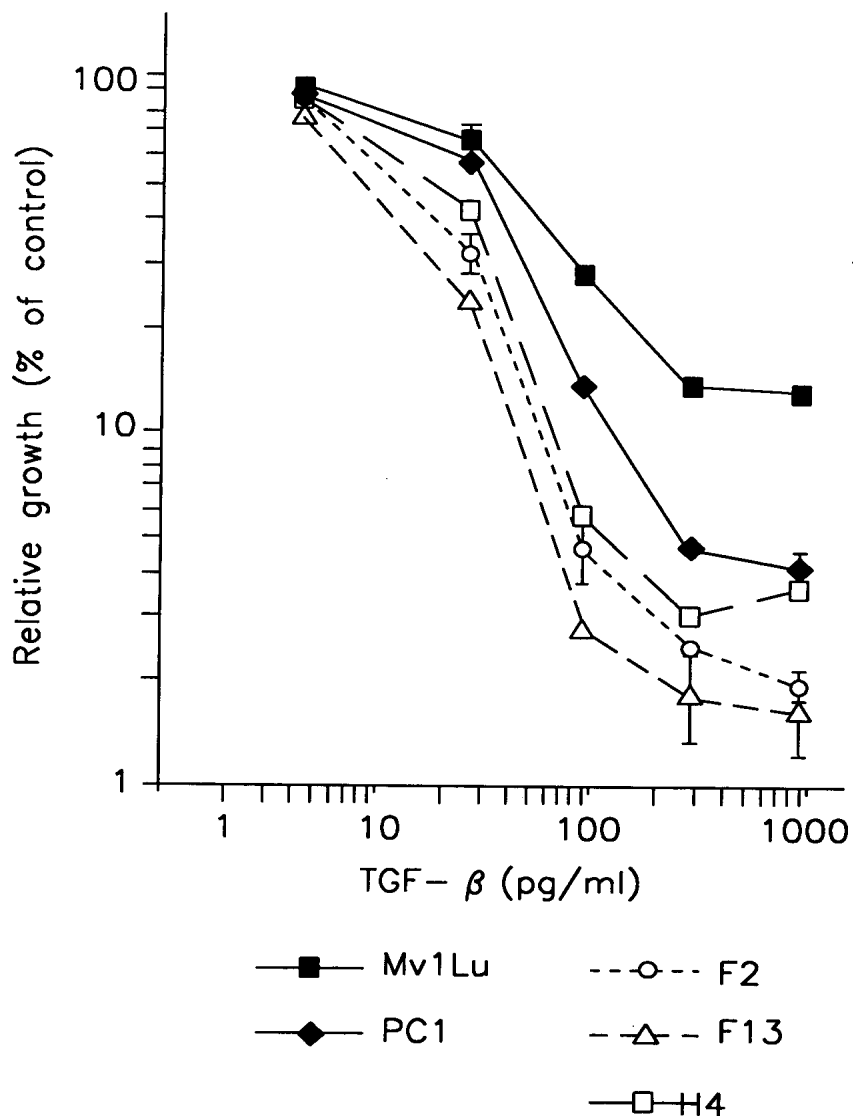


FIG. II